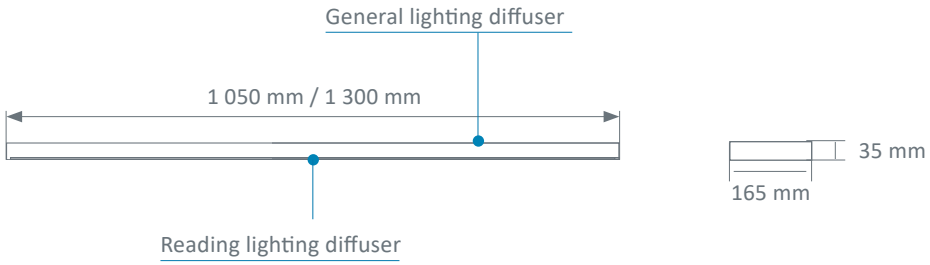
LYSA LED Dynamic Lighting

Registered design

TLV Healthcare

Normal care / Wall lighting unit

Front view / Side view



Colours

	Grey RAL 9006	Grey RAL 9007	White RAL 9016
LYSA	●	●	●

CONTROLLED LIGHTING

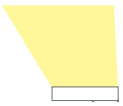
The LYSA lighting unit is ideal for lighting retirement homes and clinics. The quality of the light offers comfort and well-being to the patients and healthcare professionals.

High-performance comfortable and controlled lighting

The reading light diffuser provides soft, comfortable lighting. The patient, medical personnel, or visitors, because the sources are not directly visible.

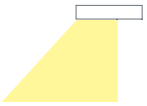
General lighting

- Indirect diffuser in clear satin PMMA* with anti-UV treatment
- MIRO 20 Silver® Aluminum reflector



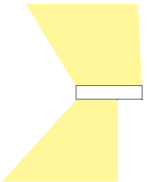
Reading lighting

- Satin-finish polycarbonate direct diffuser
- MIRO 20 Silver® Aluminum reflector



Caring lighting

Caring lighting combines direct (reading) lighting with indirect (general) lighting.

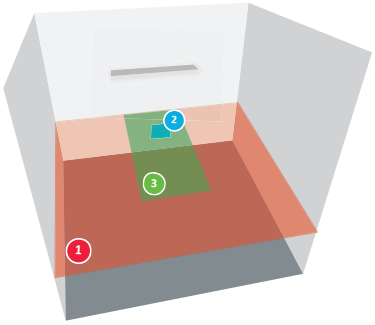


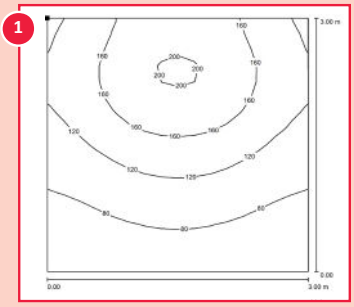
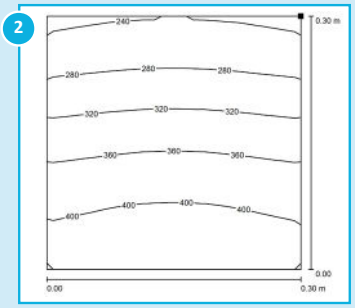
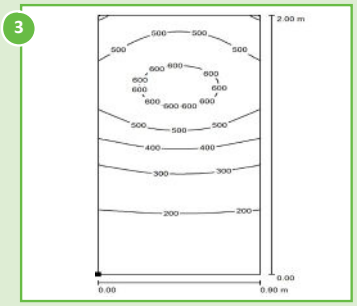
*PMMA: Polymethyl methacrylate

Lighting study

- Standard room
- Dimensions of the room: 3 m x 3 m, ceiling clearance 2.5 m
- Reflection coefficients: ceiling 7, walls 5, and floor 3
- Coefficient of depreciation 0.83
- Recommended average illumination level :

General lighting 100 lux, reading lighting 300 lux and Caring lighting 300 lux



	General lighting Virtual general lighting plane of a surface equal to the one of the room, located 0.85 m above the floor (3 m x 3 m for a single room).	Reading lighting Virtual reading plane 0.3 m x 0.3 m inclined at 75° located 1.1 m from the floor and 1 m from the wall where the light fitting is mounted.	Caring lighting Virtual examination plane 2 m x 0.9 m located 0.85 m from the floor, centred in width and 0.1 m from the wall.
LED	**3 Ft module** 1 	**2 Ft module** 2 	**General and reading lighting combined** 3 
Consumption	33,2 W	10,8 W	44,9 W
Average lighting	132 lx	348 lx	397 lx

Lighting power

Lighting	Modules power	Color Temperature	Luminous Flux (1)	Consumption	System Efficiency	Driver(s)	Efficiency energy class IRC 80	Efficiency energy class IRC 90
General lighting	28,7 W (3 Ft)	3000 K 4000 K	5039 lm (length 1050 mm)	33,2 W	151,9 lm/W	Fixed / DALI	C	D
	35,3 W (4 Ft)	3000 K 4000 K	6255 lm (length 1300 mm)	40,8 W	153,4 lm/W	Fixed / DALI	C	D
General lighting (Dynamic lighting)	38,9 W (3 Ft)	2700 K to 6500 K	5000 lm	44,9 W	111,4 lm/W	DALI		E
	47,2 W (4 Ft)	2700 K to 6500 K	6200 lm	54 W	114,8 lm/W	DALI		E
Reading lighting	8,9 W (2 Ft)	3000 K 4000 K	1710 lm	10,8 W	158,8 lm/W	Fixed / DALI		D
Night light	3,1 W	3000 K	292 lm	3,3 W	89,8 lm/W	Fixed	C	D

- Luminous flux maintenance factor : L80B10 to 60 000 hours
- MacAdam Ellipse: 3 SDCM
- LED sources photobiological risk : GP1

(1) All the luminous flux indicated in the brochure are based on the flux of the LED modules also known as system flux.

Luminaire output flux = (Module flux) x (optical efficiency), the optical efficiency of the luminaire is indicated in the Eulumdat file (LDT line 23) available for download on our website or on request.

* Only available for Lysa 1300 mm

Dynamic Lighting

The LYSA wall lighting unit is available with dynamic lighting.
For more information, please read the dedicated brochure.

Norms & certifications

- Directive 2014/30/UE : Electromagnetic Compatibility (EMC)
- Low Voltage Directive (LVD) 2014/35/UE
- EN 60598: Luminaires - Part 1: General requirements and tests - Part 2-25: Luminaires for use in clinical areas of hospitals and health care buildings
- Article EC5 safety regulation against the risks of fire and panic in public buildings
- European rules for caring centers lighting

Bed head units, Wall lighting units, Ceiling pendants, Suspended Beams & Columns,
Special care bed head units, Sealed lightings, Medical gas monitoring & Biomedical Accessories

MADE IN FRANCE

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